

SECTION 09900
PAINTING

A. GENERAL

SCOPE

The scope and extent of painting and finishing shall be as designated by Specifications, Schedules and Drawing notations.

WORK NOT INCLUDED

Unless otherwise specified, shop priming of ferrous metal items is included under various sections for structural steel, miscellaneous metal, metal doors and frames, prefabricated stair assemblies, prefabricated steel building systems, and similar items. Same applies for shop-fabricated or factory -built mechanical and electrical equipment. See list of items later in this Section. However, the presence of a shop-applied primer shall not reduce the number of coats required to be applied in the field as specified under the Paint and Stain Schedule later in this Section. Touch-up of primer on damaged or abraded steel items listed above shall be accomplished under the sections where these items are specified. Touch-up of primer on steel doors and frames damaged or abraded surfaces shall be accomplished under Section 08100.

Unless otherwise indicated, do not include painting when factory-finishing or installer-finishing is specified for such items as (but not limited to) metal toilet enclosures, acoustic materials, and finished mechanical and electrical equipment, including light fixtures, switchgear and distribution cabinets. See list of items later in this Section.

Unless otherwise indicated, painting is not required on surfaces such as walls or ceilings in concealed areas and generally inaccessible areas, foundation spaces, furred areas, utility tunnels, pipe spaces, duct shafts, and elevator shafts. See list of items later in this Section.

Metal surfaces of anodized aluminum, stainless steel, chromium plate, copper, bronze and similar finished materials will not require finish painting, unless otherwise indicated. See list of items later in this Section.

Moving parts of operating units, mechanical and electrical parts, such as valve and damper operations, linkages, sensing devices, motor and fan shafts will not require finish painting, unless otherwise indicated.

Do not paint over any code-required labels, such as Underwriters' Laboratories and Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.

Omit paint/stain and/or finishing as noted for the following items:

- Security cameras
- Fire sprinkler heads
- Acoustic materials
- Finished mechanical and electrical equipment
- Electrical switchgear and distribution panels
- Light fixtures

QUALITY ASSURANCE

ACCEPTABLE MANUFACTURERS are as follows (or approved equal):

Benjamin Moore and Company
Diamond Vogel
ICI Dulux Paints
Kwal Paint
Pittsburgh Paints, PPG Industries, Inc.
Pratt and Lambert
Sherwin-Williams Company
Tnemec Co., Inc.

REVIEW OF PAINTING SCOPE BEFORE BIDDING

The Painting Contractor shall be responsible for performing all work and providing all materials required to achieve the design intent shown on these Drawings. The Owner will not be responsible for any additional expense to the Contractor if the conditions causing those expenses could have been discovered in an on-site inspection prior to bid submittal.

SUBMITTALS

Submit samples of each type of finish and color in accordance with Section 1B, Shop Drawings/Submittals. Paint samples shall be submitted on 8 1/2-inch x 11-inch Mead Mark I cover paper, coated on one side, with paint sprayed or applied with a foam rubber roller. Samples shall be submitted within 15 days after the Contract date. Back of paint samples shall show the paint manufacturer and the trade name of the proposed paint.

EXTRA STOCK

The Contractor shall furnish the Government with one gallon of each color or type of finish, sealed and unused, together with the mixing formula written on the cans. The Contractor shall also furnish two copies of this information to the Government in addition to the instructions attached to paint containers.

DELIVERY, STORAGE AND PROTECTION

All paints, varnishes, stains, paste fillers, and similar materials shall be delivered in the original containers with seals unbroken and labels intact.

All materials used on the project shall be stored in a single place designated by the Government Construction Representative. Such storage place shall be kept neat and clean, and all damage thereto or to its surroundings shall be made good. Any oil, rags, waste, etc. shall be removed from the building every night, and every precaution taken to avoid the danger of fire.

JOB CONDITIONS

Surface temperature shall be maintained at the minimum temperature required by the paint manufacturer during application and drying of paints. Exterior surfaces shall not be painted or finished during weather period that are forbidden by the manufacturer's written instructions. See manufacturer's written instructions for more specific information.

Adjacent work, building finishes and surfaces, together with cabinets and similar items, shall be totally protected with masking tape, drop cloths or other suitable coverings. Cabinets, shelving, furnishings and equipment, or similar items shall not be utilized for any construction-related purpose or utilized as work surface, scaffolding, plank supports or in any way walked upon.

B. PRODUCTS

MATERIALS

The Contractor shall have the option of using materials and finishes manufactured by any one of the manufacturers previously listed (or approved equal). Materials used throughout shall be the products of one manufacturer only, and shall be first line and top grade materials produced by the manufacturer selected. The mentioning of a specific brand name is done to establish a minimum acceptable standard or quality desired.

C. EXECUTION

PREPARATION

All surfaces to be finished shall be power-washed and/or scraped and wiped cleaned free of loose dirt and dust before painting. After the first coat, putty nail holes, cracks, etc. with putty of a color to match that of finish. Bring putty flush to the adjoining surface.

1 Metal surfaces which are not galvanized or shop-coated shall be washed with mineral spirits to remove dirt and
2 grease. Remove rust or scale by wire brushing or sandpapering clean.

3
4 Roof deck, beams, joists, ductwork, conduit, etc. scheduled to receive paint shall be clean and dry, and shall have
5 all loose rust, paint and other foreign material removed before painting.

6
7 Clean and treat galvanized metal chemically with a compound designed for this purpose, such as "Lithoform",
8 "Stibley", or "Solfo Metallic Coat", in accordance with the paint manufacturer's instructions.

9
10 Sand hard glossy-previously painted surface finishes to insure adhesion. Spot prime with primer specified for new
11 surfaces where existing paint or primer has been partially removed by blistering, peeling, rupture, or cracking.
12 Completely remove existing finish if 25 percent or more of the existing finish has failed or can be easily scraped off
13 the surface.

14 15 BACKPRIMING

16
17 All concealed surfaces of exterior wood members used in this project (including at all field cuts) shall be primed
18 before any assembly work is undertaken, including assembly work done in the fabrication mill. There are no
19 exceptions.

20 21 APPLICATION

22
23 Application of the first coat shall constitute acceptance of surfaces as fit and proper to receive finish.

24
25 Apply all materials under adequate illumination, spread evenly and flow on smoothly without runs or sags. All
26 coats must be thoroughly dry before applying succeeding coats.

27
28 Spray application of paints will be permitted provided the application is by airless-type spray equipment, and
29 provided the application by spray is followed by a roller on wall surfaces. Roller shall thoroughly work paint into
30 pores for complete surface coverage. Conventional paint spray equipment will be permitted on metal fabrications.
31 Sprayed surfaces shall be smooth, free of imperfections, and paint runs, and shall be completely covered by each
32 coat.

33
34 Undercoats of paint shall be of the approximate color as the final coat.
35 For factory-primed and mill-primed surfaces, use the materials specified in every case for such surfaces and use in
36 accordance with the manufacturer's directions for the first or priming coat.

37
38 Between varnish coats, sand varnish finish applied to wood with fine sandpaper; clean and tack to produce an
39 even, smooth finish.

40
41 Wood doors shall be finished on both sides, on all four edges and at cutouts immediately upon arrival at the
42 jobsite. After doors have been fitted, all four edges shall be thoroughly sealed with stain and varnish for
43 transparent finished doors. Edge finishes shall be the same as for the faces.

44 45 ADJUSTING AND CLEANING

46
47 Clean adjacent and other surfaces which are smeared or splattered as a result of painting and finishing work.

48 49 PAINT AND STAIN SCHEDULE

50
51 See list of approved manufacturers of paint and stain products earlier in this section. The paint and stain materials
52 listed below are given as a means of establishing the standard for the required paint and stain materials.

53 54 55 56 57 58 **INTERIOR WORK**

FERROUS METAL AND ALUMINUM ITEMS (I.E., INTERIOR METAL DOORS, METAL DOOR AND WINDOW FRAMES, SHOP-PRIMED STEEL, ETC., EXCEPT AS NOTED BELOW)

1 coat S-W Kem Bond HS Universal Metal Primer, B50 Series (4 mils wet, 1.2 mils dry)

2 coats S-W All Surface Enamel Alkyd Eg-Shel, A11 Series (4 mils wet, 1.6 mils dry per coat)

EXISTING GWB

2 coats S-W ProMar 200 Latex Eg-Shel Enamel, B20W200 (4 mils wet, 1.6 mils dry per coat)

NEW GWB

1 coat S-W PrepRite 200 Latex Wall Primer, B28W200 (4 mils wet, 1.2 mils dry)

2 coats S-W ProMar 200 Latex Eg-Shel Enamel, B20W200 (4 mils wet, 1.6 mils dry per coat)

HARDWOOD FOR TRANSPARENT STAINED FINISH

1 coat Penetrating Stain

2 coats S-W Wood Classics Waterborne Polyurethane Varnish, Satin finish

MISCELLANEOUS ITEMS

Registers, grilles, heating and water pipes, electrical conduits, outlet boxes, and panelboard fronts exposed in finished rooms shall be painted as specified for Metal Work or as specified or required for the surfaces to be painted. Color shall match color of adjacent wall or ceiling surfaces.

PAINT AND STAIN COLOR SELECTIONS

See Section 09000, Color Schedule.

PAINT AND STAIN LOCATION SCHEDULE

See Section 09000, Color Schedule.

INTERIOR COLOR PLACEMENT

GWB walls

See Finishes Plans and Details (P-1 unless noted otherwise)

Hollow metal frames

P-2